Alejandro Ádem
University of British Columbia

Thursday,
November 29, 2012
3:00 p.m.
Classroom Building
    Room 130

Topology of Spaces of Commuting Matrices

In this talk we will consider topological spaces arising from commuting unitary and orthogonal matrices. Basic properties will be discussed, such as the number and structure of their path components. Connections to representations, bundles and homotopy theoretic invariants will be explored. A number of explicit examples will be provided to illustrate these ideas.

Coffee in the Mathematics and Statistics Lounge, CW307.20 at 2:30 p.m.

University of Regina

Mathematics and Statistics

Pacific Institute FOR THE MATHEMATICAL SCIENCES